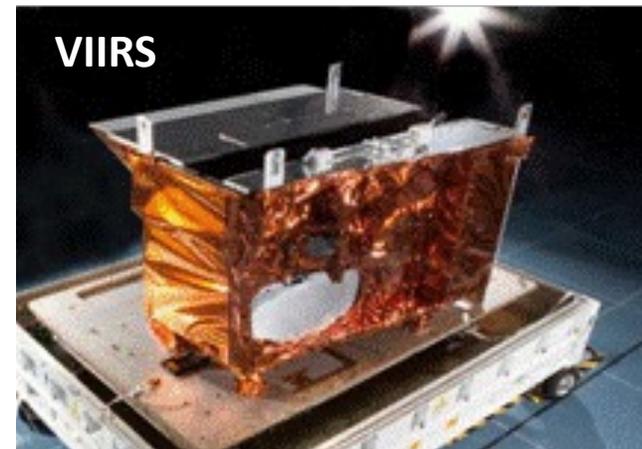
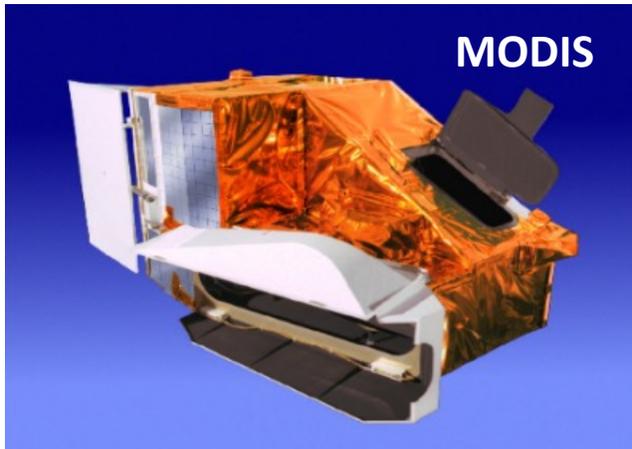




# MODIS and VIIRS Calibration Workshop



# Welcome Remark

- Last “In-Person” MODIS and VIIRS STM and Calibration Workshop in Nov 2019
- “Virtual” MODIS and VIIRS STM (Plenary Session) in Nov 2020
- “Virtual” MODIS and VIIRS CAL Workshop in Feb 2021
- NASA Terra, Aqua, and Aura Drifting Orbits Workshop in Nov 2022
- Senior Review Proposals for Mission Extension (Terra and Aqua) in April, 2023
  
- JPSS-3 VIIRS Completed the TVAC Testing (PSR in June, 2022)
- JPSS-2 (NOAA-21) Launch on Nov 10, 2022
- JPSS-4 VIIRS TVAC Testing in Aug – Dec, 2023
  
- MODIS C7 L1B/LUTs Initial Delivery in March 2021 (updated through Dec 2022)



**MODIS and VIIRS Calibration Workshop**  
The Hotel at The University of Maryland  
College Park, MD (May 1, 2023)



**Chairs: Jack Xiong and Amit Angal**

08:00 am – 12:00 pm (EDT)

Introduction ( <i>Jack Xiong</i> )	08:00 am
Status of MODIS and VIIRS Instruments ( <i>Sarah Schwenger</i> )	08:10 am
Status of MODIS and VIIRS L1B ( <i>Xu Geng</i> )	08:30 am
MODIS RSB Calibration and Performance ( <i>Emily Aldoretta/Kevin Twedt</i> )	08:50 am
MODIS TEB Calibration and Performance ( <i>Tiejun Chang</i> )	09:20 am
Coffee Break	09:40 am
VIIRS RSB Calibration and Performance ( <i>Ning Lei</i> )	10:00 am
VIIRS TEB Calibration and Performance ( <i>Amit Angal</i> )	10:20 am
VIIRS DNB Calibration and Performance ( <i>Hongda Chen</i> )	10:40 am
Status of MODIS and VIIRS Geometric Calibration ( <i>Gary Lin</i> )	11:00 am
Harmonization of the calibration of MODIS and VIIRS (SNPP/NOAA-20) ( <i>Eric Vermote</i> )	11:40 am
Lunch	12:00 pm

**Chairs: Jim Gleason and Jack Xiong**

13:20 pm – 17:20 pm (EDT)

MODIS and VIIRS Data Production and Reprocessing Plan ( <i>Sadashiva Devadiga</i> )	13:20 pm
Status of the OBPG calibration for SNPP VIIRS and NOAA-20 VIIRS ( <i>Gene Eplee</i> )	13:40 pm
Airborne LUNar Spectral Irradiance (Air-LUSI) Mission Update ( <i>Kevin Turpie</i> )	14:00 pm
CPF-VIIRS Inter-calibration Strategy and Its Potential Outcomes ( <i>Rajendra Bhatt</i> )	14:20 pm
MODIS and VIIRS Calibration Inter-comparisons Update ( <i>Aisheng Wu</i> )	14:40 pm
Coffee Break	15:00 pm
SNPP and NOAA-20 VIIRS RSB Radiometric Scaling Utilizing Multiple Approaches ( <i>David Doelling</i> )	15:20 pm
Calibration and Validation of MODIS and VIIRS using RadCaTS ( <i>Jeffrey Czapla-Myers</i> )	15:40 pm
Calibration of the SNPP and NOAA-20 VIIRS Sensors for Continuity of the MODIS Climate Data Records ( <i>Alexei Lyapustin</i> )	16:00 pm
Ongoing Atmosphere Discipline Effort on MODIS/VIIRS Inter-Calibration ( <i>Kerry Meyer/Bob Holz</i> )	16:20 pm
Updates and Trends in Dark Target for MODIS and VIIRS ( <i>Virginia Sawyer</i> )	16:40 pm
Summary ( <i>Jack Xiong</i> )	17:00 pm
Adjourn	17:20 pm

- **Agenda**
  - A minor adjustment with 1 talk moved from PM to AM session
  - 2 additional poster presentations from MCST/VCST
- **Coffee Breaks**
  - Contribution from SSAI
- **Conference Room**
  - 7:00 AM – 6:00 PM
- **Wi-Fi**
  - Check with registration desk
- **Virtual Option**
  - WebEx link available via registration
- **Workshop Presentations**
  - To be posted at MODIS website

[https://modis.gsfc.nasa.gov/sci\\_team/meetings/](https://modis.gsfc.nasa.gov/sci_team/meetings/)

# Acknowledgements

## Contributions:

- MODIS and VIIRS Characterization Support Team (MCST and VCST)
- MODIS and VIIRS Science Teams

## Support:

- Terra, Aqua, S-NPP, and JPSS Projects
- Mission/Flight Operation Team (MOT/FOT)
- Instrument Vendor (Raytheon)
- NOAA JPSS Program and VIIRS SDR Team

MCST

VCST

